

High School to College and Career Pathway: Secondary

Area of Study: Agricultural Education

Pathway: Agricultural Systems Technology

Middle School		State Requirements			High School Suggested Education Plan				College & Careers																																						
7 th Grade	8 th Grade	Middle School		High School	9 th Grade Suggested	10 th Grade Suggested	11 th Grade Suggested	12 th Grade Suggested	Beyond High School																																						
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts	3.00	Language Arts 9 1.00	Language Arts 10 1.00	Language Arts 11 1.00	(1 additional credit -- class of 2011)	<p>There are a number of options for education and training beyond high school, depending on your career goals.</p> <ul style="list-style-type: none">> Certificate> Associate degree> Bachelor degree> Professional degree> On-the-job training> Apprenticeship> Military training																																						
Pre-Algebra 1.00	Elm. Algebra or Applied Math 1.00	2.00	Math	2.00	Geometry or Applied Math II 1.00	Intermediate Algebra 1.00	(1 additional credit -- class of 2011)																																								
Science .50	Science 1.00	1.50	Science	2.00	Earth Systems 1.00	Biology–Agricultural Science and Tech. or Biological Science 1.00	(1 additional credit -- class of 2011)																																								
Utah Studies .50	U.S. History I 1.00	1.50	Social Studies	2.50	World Civilizations .50	Geography for Life .50	U.S. History II 1.00	U.S. Government and Citizenship .50																																							
P.E. 1.00	Health .50	1.50	P.E./Health	2.00	Participation Skills and Techniques .50	Fitness for Life. 50 / Health Education .50 Lifetime Activities or Sport .50																																									
The Arts .50	The Arts .50	1.00	Fine Arts	1.50	Fine Arts Courses 1.50																																										
			Financial Literacy	.50	Financial Literacy .50																																										
			Computer Tech.	.50	Computer Technology .50																																										
CTE Intro 1.00		1.00	Career and Technical Education	1.00	<div><div><div>Career and Technical Education Recommended Pathway Courses</div><div>(Students may select individual courses for exploration, or complete pathway for an in-depth focus.)</div><div>CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL</div><table><thead><tr><th>Course #</th><th>Introductory Courses: (preferred)</th><th>Credit</th></tr></thead><tbody><tr><td>01.0311</td><td>Agricultural Science & Technology I</td><td>1.00</td></tr><tr><td>02.0112</td><td>Biology: Agricultural Science & Technology</td><td>1.00</td></tr><tr><td></td><td>Foundation Courses: (required)</td><td></td></tr><tr><td>01.0211</td><td>Agricultural Systems Technology I</td><td>1.00</td></tr><tr><td>01.0221</td><td>Agricultural Systems Technology II</td><td>1.00</td></tr><tr><td></td><td>Elective Courses:</td><td></td></tr><tr><td>01.0111</td><td>Agricultural Business Management</td><td>1.00</td></tr><tr><td>01.0241</td><td>Agricultural Machinery Technology</td><td>1.00</td></tr><tr><td>01.0231</td><td>Agricultural Mechanics, Advanced</td><td>1.00</td></tr><tr><td>32.0199</td><td>Student Internship (Critical Workplace Skills)</td><td>.50</td></tr><tr><td>01.0100</td><td>Summer Agriculture Program</td><td>.25</td></tr><tr><td></td><td>Supervised Agriculture Experience Program (capstone experience)</td><td></td></tr></tbody></table><div>2.00 credits + 1.00 credit from introductory or elective courses</div><div>3.00 credits for completion</div></div></div>					Course #	Introductory Courses: (preferred)	Credit	01.0311	Agricultural Science & Technology I	1.00	02.0112	Biology: Agricultural Science & Technology	1.00		Foundation Courses: (required)		01.0211	Agricultural Systems Technology I	1.00	01.0221	Agricultural Systems Technology II	1.00		Elective Courses:		01.0111	Agricultural Business Management	1.00	01.0241	Agricultural Machinery Technology	1.00	01.0231	Agricultural Mechanics, Advanced	1.00	32.0199	Student Internship (Critical Workplace Skills)	.50	01.0100	Summer Agriculture Program	.25		Supervised Agriculture Experience Program (capstone experience)
Course #	Introductory Courses: (preferred)	Credit																																													
01.0311	Agricultural Science & Technology I	1.00																																													
02.0112	Biology: Agricultural Science & Technology	1.00																																													
	Foundation Courses: (required)																																														
01.0211	Agricultural Systems Technology I	1.00																																													
01.0221	Agricultural Systems Technology II	1.00																																													
	Elective Courses:																																														
01.0111	Agricultural Business Management	1.00																																													
01.0241	Agricultural Machinery Technology	1.00																																													
01.0231	Agricultural Mechanics, Advanced	1.00																																													
32.0199	Student Internship (Critical Workplace Skills)	.50																																													
01.0100	Summer Agriculture Program	.25																																													
	Supervised Agriculture Experience Program (capstone experience)																																														
Workforce Trends According to the U.S. Department of Labor, the growing interest in worldwide standardization of agricultural equipment should result in increased employment of agricultural engineers. Job opportunities should also result from the increasing demand for agricultural products, the continued efforts for more efficient agricultural production, and the increasing emphasis on the conservation of resources.		<p>Core Curriculum and elective requirements may vary district to district. Check with your school counselor.</p> <p>Concurrent enrollment course offerings vary by school and district.</p>																																													
Get the Facts Students enrolled in high school agricultural courses are looking to join a \$3.5-4.0 billion Utah industry.																																															

Note: For more information talk to your school counselor.

High School to College and Career Pathway: Secondary

Area of Study: Agricultural Education

Pathway: Horticulture Science & Management

Middle School		State Requirements			High School Suggested Education Plan				College & Careers																																										
7 th Grade	8 th Grade	Middle School		High School	9 th Grade Suggested	10 th Grade Suggested	11 th Grade Suggested	12 th Grade Suggested	Beyond High School																																										
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts	3.00	Language Arts 9 1.00	Language Arts 10 1.00	Language Arts 11 1.00	(1 additional credit -- class of 2011)	<p>There are a number of options for education and training beyond high school, depending on your career goals.</p> <p>> Certificate</p> <p>> Associate degree</p> <p>> Bachelor degree</p> <p>> Professional degree</p> <p>> On-the-job training</p> <p>> Apprenticeship</p> <p>> Military training</p>																																										
Pre-Algebra 1.00	Elm. Algebra or Applied Math 1.00	2.00	Math	2.00	Geometry or Applied Math II 1.00	Intermediate Algebra 1.00	(1 additional credit -- class of 2011)																																												
Science .50	Science 1.00	1.50	Science	2.00	Earth Systems 1.00	Biology–Agricultural Science and Tech. or Biological Science 1.00	(1 additional credit -- class of 2011)																																												
Utah Studies .50	U.S. History I 1.00	1.50	Social Studies	2.50	World Civilizations .50	Geography for Life .50	U.S. History II 1.00	U.S. Government and Citizenship .50																																											
P.E. 1.00	Health .50	1.50	P.E./Health	2.00	Participation Skills and Techniques .50	Fitness for Life. 50 / Health Education .50 Lifetime Activities or Sport .50																																													
The Arts .50	The Arts .50	1.00	Fine Arts	1.50	Fine Arts Courses 1.50																																														
			Financial Literacy	.50			Financial Literacy .50																																												
			Computer Tech.	.50	Computer Technology .50																																														
CTE Intro 1.00		1.00	Career and Technical Education	1.00	Career and Technical Education Recommended Pathway Courses (Students may select individual courses for exploration, or complete pathway for an in-depth focus.) CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL <table><thead><tr><th>Course #</th><th>Introductory Courses: (preferred)</th><th>Credit</th></tr></thead><tbody><tr><td>01.0311</td><td>Agricultural Science & Technology I</td><td>1.00</td></tr><tr><td>02.0112</td><td>Biology: Agricultural Science & Technology</td><td>1.00</td></tr><tr><td></td><td>Foundation Courses: (required)</td><td></td></tr><tr><td>01.0631</td><td>Floriculture & Greenhouse Management</td><td>1.00</td></tr><tr><td>01.0641</td><td>Nursery Operation & Landscape Management</td><td>1.00</td></tr><tr><td></td><td>Elective Courses:</td><td></td></tr><tr><td>01.0111</td><td>Agricultural Business Management</td><td>1.00</td></tr><tr><td>01.0651</td><td>Ornamental Horticulture, Applied</td><td>1.00</td></tr><tr><td>01.0631</td><td>Floriculture & Greenhouse Management A</td><td>.50</td></tr><tr><td>01.0631</td><td>Floriculture & Greenhouse Management B</td><td>.50</td></tr><tr><td>32.0199</td><td>Student Internship (Critical Workplace Skills)</td><td>.50</td></tr><tr><td>01.0100</td><td>Summer Agriculture Program</td><td>.25</td></tr><tr><td></td><td>Supervised Agriculture Experience Program (capstone experience)</td><td></td></tr></tbody></table>					Course #	Introductory Courses: (preferred)	Credit	01.0311	Agricultural Science & Technology I	1.00	02.0112	Biology: Agricultural Science & Technology	1.00		Foundation Courses: (required)		01.0631	Floriculture & Greenhouse Management	1.00	01.0641	Nursery Operation & Landscape Management	1.00		Elective Courses:		01.0111	Agricultural Business Management	1.00	01.0651	Ornamental Horticulture, Applied	1.00	01.0631	Floriculture & Greenhouse Management A	.50	01.0631	Floriculture & Greenhouse Management B	.50	32.0199	Student Internship (Critical Workplace Skills)	.50	01.0100	Summer Agriculture Program	.25		Supervised Agriculture Experience Program (capstone experience)	
Course #	Introductory Courses: (preferred)	Credit																																																	
01.0311	Agricultural Science & Technology I	1.00																																																	
02.0112	Biology: Agricultural Science & Technology	1.00																																																	
	Foundation Courses: (required)																																																		
01.0631	Floriculture & Greenhouse Management	1.00																																																	
01.0641	Nursery Operation & Landscape Management	1.00																																																	
	Elective Courses:																																																		
01.0111	Agricultural Business Management	1.00																																																	
01.0651	Ornamental Horticulture, Applied	1.00																																																	
01.0631	Floriculture & Greenhouse Management A	.50																																																	
01.0631	Floriculture & Greenhouse Management B	.50																																																	
32.0199	Student Internship (Critical Workplace Skills)	.50																																																	
01.0100	Summer Agriculture Program	.25																																																	
	Supervised Agriculture Experience Program (capstone experience)																																																		
Workforce Trends According to the U.S. Department of Labor, positions in landscape and horticultural services are expected to increase at a fast pace.		Core Curriculum and elective requirements may vary district to district. Check with your school counselor. Concurrent enrollment course offerings vary by school and district.																																																	
Get the Facts 24 million, or 17% of the American workforce, is employed in the agricultural industry.																																																			
Many Utah post-secondary programs accept high school courses toward a two- or four-year degree through concurrent enrollment. Check regional post-secondary Pathways for details.					3.00 credits for completion																																														

For more information on salary projections, labor market demand, and training options, visit www.careers.utah.gov

Sample Occupations

- > Arborist
- > Botanist
- > Forest Geneticist
- > Golf Course Superintendent
- > Greenhouse Operator
- > Landscape Architect
- > Plant Breeder
- > Soil & Water Specialist
- > Tree Surgeon

For more information on salary projections, labor market demand, and training options, visit www.careers.utah.gov

Note: For more information talk to your school counselor.

High School to College and Career Pathway: Secondary

Area of Study: Agricultural Education

Pathway: Natural Resources Science & Management

Middle School		State Requirements			High School Suggested Education Plan				College & Careers																																							
7 th Grade	8 th Grade	Middle School		High School	9 th Grade Suggested	10 th Grade Suggested	11 th Grade Suggested	12 th Grade Suggested	Beyond High School																																							
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts	3.00	Language Arts 9 1.00	Language Arts 10 1.00	Language Arts 11 1.00	(1 additional credit -- class of 2011)	<p>There are a number of options for education and training beyond high school, depending on your career goals.</p> <p>> Certificate</p> <p>> Associate degree</p> <p>> Bachelor degree</p> <p>> Professional degree</p> <p>> On-the-job training</p> <p>> Apprenticeship</p> <p>> Military training</p>																																							
Pre-Algebra 1.00	Elm. Algebra or Applied Math 1.00	2.00	Math	2.00	Geometry or Applied Math II 1.00	Intermediate Algebra 1.00	(1 additional credit -- class of 2011)																																									
Science .50	Science 1.00	1.50	Science	2.00	Earth Systems 1.00	Biology–Agricultural Science and Tech. or Biological Science 1.00	(1 additional credit -- class of 2011)																																									
Utah Studies .50	U.S. History I 1.00	1.50	Social Studies	2.50	World Civilizations .50	Geography for Life .50	U.S. History II 1.00	U.S. Government and Citizenship .50																																								
P.E. 1.00	Health .50	1.50	P.E./Health	2.00	Participation Skills and Techniques .50	Fitness for Life. 50 / Health Education .50 Lifetime Activities or Sport .50																																										
The Arts .50	The Arts .50	1.00	Fine Arts	1.50	Fine Arts Courses 1.50																																											
			Financial Literacy	.50			Financial Literacy .50																																									
			Computer Tech.	.50	Computer Technology .50																																											
CTE Intro 1.00		1.00	Career and Technical Education	1.00	Career and Technical Education Recommended Pathway Courses (Students may select individual courses for exploration, or complete pathway for an in-depth focus.) CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL <table><thead><tr><th>Course #</th><th>Introductory Courses: (preferred)</th><th>Credit</th></tr></thead><tbody><tr><td>01.0311</td><td>Agricultural Science & Technology I</td><td>1.00</td></tr><tr><td>02.0112</td><td>Biology: Agricultural Science & Technology</td><td>1.00</td></tr><tr><td></td><td>Foundation Courses: (required)</td><td></td></tr><tr><td>03.0111</td><td>Natural Resource Management I</td><td>1.00</td></tr><tr><td>03.0121</td><td>Natural Resource Management II</td><td>1.00</td></tr><tr><td></td><td>Elective Courses:</td><td></td></tr><tr><td>01.0111</td><td>Agricultural Business Management</td><td>1.00</td></tr><tr><td>01.0351</td><td>Aquaculture, Introduction</td><td>1.00</td></tr><tr><td>01.0361</td><td>Aquaculture, Advanced</td><td>1.00</td></tr><tr><td>32.0199</td><td>Student Internship (Critical Workplace Skills)</td><td>.50</td></tr><tr><td>01.0100</td><td>Summer Agriculture Program</td><td>.25</td></tr><tr><td></td><td>Supervised Agriculture Experience Program (capstone experience)</td><td></td></tr></tbody></table>					Course #	Introductory Courses: (preferred)	Credit	01.0311	Agricultural Science & Technology I	1.00	02.0112	Biology: Agricultural Science & Technology	1.00		Foundation Courses: (required)		03.0111	Natural Resource Management I	1.00	03.0121	Natural Resource Management II	1.00		Elective Courses:		01.0111	Agricultural Business Management	1.00	01.0351	Aquaculture, Introduction	1.00	01.0361	Aquaculture, Advanced	1.00	32.0199	Student Internship (Critical Workplace Skills)	.50	01.0100	Summer Agriculture Program	.25		Supervised Agriculture Experience Program (capstone experience)	
Course #	Introductory Courses: (preferred)	Credit																																														
01.0311	Agricultural Science & Technology I	1.00																																														
02.0112	Biology: Agricultural Science & Technology	1.00																																														
	Foundation Courses: (required)																																															
03.0111	Natural Resource Management I	1.00																																														
03.0121	Natural Resource Management II	1.00																																														
	Elective Courses:																																															
01.0111	Agricultural Business Management	1.00																																														
01.0351	Aquaculture, Introduction	1.00																																														
01.0361	Aquaculture, Advanced	1.00																																														
32.0199	Student Internship (Critical Workplace Skills)	.50																																														
01.0100	Summer Agriculture Program	.25																																														
	Supervised Agriculture Experience Program (capstone experience)																																															
Workforce Trends Utah has a wealth of natural resources, which includes five national parks, seven national monuments, seven national forests, two national recreation areas, 45 state parks, and millions of acres of Bureau of Land Management (BLM)-administered deserts and range land. With the multitude of natural resources in Utah there are a vast amount of career opportunities within eight federal and state divisions.		<p>Core Curriculum and elective requirements may vary district to district. Check with your school counselor.</p> <p>Concurrent enrollment course offerings vary by school and district.</p>																																														
Get the Facts There are 600 bison that roam on Antelope Island State Park, the largest island in the Great Salt Lake; the island herd is the second oldest privately held herd in the United States. Today, the bison on the island are among the most sought-after bison in the country.																																																

Note: For more information talk to your school counselor.

For more information on salary projections, labor market demand, and training options, visit www.careers.utah.gov

High School to College and Career Pathway: Secondary

Area of Study: Agricultural Education

Pathway: Production/Processing Animal Science

Middle School		State Requirements			High School Suggested Education Plan				College & Careers																																																		
7 th Grade	8 th Grade	Middle School		High School	9 th Grade Suggested	10 th Grade Suggested	11 th Grade Suggested	12 th Grade Suggested	Beyond High School																																																		
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts	3.00	Language Arts 9 1.00	Language Arts 10 1.00	Language Arts 11 1.00	(1 additional credit -- class of 2011)	<p>There are a number of options for education and training beyond high school, depending on your career goals.</p> <p>> Certificate</p> <p>> Associate degree</p> <p>> Bachelor degree</p> <p>> Professional degree</p> <p>> On-the-job training</p> <p>> Apprenticeship</p> <p>> Military training</p>																																																		
Pre-Algebra 1.00	Elm. Algebra or Applied Math 1.00	2.00	Math	2.00	Geometry or Applied Math II 1.00	Intermediate Algebra 1.00	(1 additional credit -- class of 2011)																																																				
Science .50	Science 1.00	1.50	Science	2.00	Earth Systems 1.00	Biology–Agricultural Science and Tech. or Biological Science 1.00	(1 additional credit -- class of 2011)																																																				
Utah Studies .50	U.S. History I 1.00	1.50	Social Studies	2.50	World Civilizations .50	Geography for Life .50	U.S. History II 1.00	U.S. Government and Citizenship .50																																																			
P.E. 1.00	Health .50	1.50	P.E./Health	2.00	Participation Skills and Techniques .50	Fitness for Life. 50 / Health Education .50 Lifetime Activities or Sport .50																																																					
The Arts .50	The Arts .50	1.00	Fine Arts	1.50	Fine Arts Courses 1.50																																																						
			Financial Literacy	.50			Financial Literacy .50																																																				
			Computer Tech.	.50	Computer Technology .50																																																						
CTE Intro 1.00		1.00	Career and Technical Education	1.00	<div><div>Career and Technical Education Recommended Pathway Courses</div><div>(Students may select individual courses for exploration, or complete pathway for an in-depth focus.)</div><div>CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL</div><table><thead><tr><th>Course #</th><th>Introductory Courses: (preferred)</th><th>Credit</th></tr></thead><tbody><tr><td>01.0311</td><td>Agricultural Science & Technology I</td><td>1.00</td></tr><tr><td>02.0112</td><td>Biology: Agricultural Science & Technology</td><td>1.00</td></tr><tr><td></td><td>Foundation Courses: (required)</td><td></td></tr><tr><td>02.0211</td><td>Animal Science & Technology, Entry</td><td>1.00</td></tr><tr><td>02.0241</td><td>Animal Science & Technology, Advanced</td><td>1.00</td></tr><tr><td></td><td>Elective Courses:</td><td></td></tr><tr><td>01.0111</td><td>Agricultural Business Management</td><td>1.00</td></tr><tr><td>01.0351</td><td>Aquaculture, Introduction</td><td>1.00</td></tr><tr><td>01.0361</td><td>Aquaculture, Advanced</td><td>1.00</td></tr><tr><td>02.0251</td><td>Dairy Herd Management</td><td>1.00</td></tr><tr><td>02.0221</td><td>Equine Science & Technology</td><td>1.50</td></tr><tr><td>02.0261</td><td>Swine Herd Management</td><td>1.00</td></tr><tr><td>02.0231</td><td>Veterinary Assistant</td><td>1.00</td></tr><tr><td>32.0199</td><td>Student Internship (Critical Workplace Skills)</td><td>.50</td></tr><tr><td>01.0100</td><td>Summer Agriculture Program</td><td>.25</td></tr><tr><td></td><td>Supervised Agriculture Experience Program (capstone experience)</td><td></td></tr></tbody></table><div>2.00 credits + 1.00 credit from introductory or elective courses</div><div>3.00 credits for completion</div></div>			Course #		Introductory Courses: (preferred)	Credit	01.0311	Agricultural Science & Technology I	1.00	02.0112	Biology: Agricultural Science & Technology	1.00		Foundation Courses: (required)		02.0211	Animal Science & Technology, Entry	1.00	02.0241	Animal Science & Technology, Advanced	1.00		Elective Courses:		01.0111	Agricultural Business Management	1.00	01.0351	Aquaculture, Introduction	1.00	01.0361	Aquaculture, Advanced	1.00	02.0251	Dairy Herd Management	1.00	02.0221	Equine Science & Technology	1.50	02.0261	Swine Herd Management	1.00	02.0231	Veterinary Assistant	1.00	32.0199	Student Internship (Critical Workplace Skills)	.50	01.0100	Summer Agriculture Program	.25		Supervised Agriculture Experience Program (capstone experience)	
Course #	Introductory Courses: (preferred)	Credit																																																									
01.0311	Agricultural Science & Technology I	1.00																																																									
02.0112	Biology: Agricultural Science & Technology	1.00																																																									
	Foundation Courses: (required)																																																										
02.0211	Animal Science & Technology, Entry	1.00																																																									
02.0241	Animal Science & Technology, Advanced	1.00																																																									
	Elective Courses:																																																										
01.0111	Agricultural Business Management	1.00																																																									
01.0351	Aquaculture, Introduction	1.00																																																									
01.0361	Aquaculture, Advanced	1.00																																																									
02.0251	Dairy Herd Management	1.00																																																									
02.0221	Equine Science & Technology	1.50																																																									
02.0261	Swine Herd Management	1.00																																																									
02.0231	Veterinary Assistant	1.00																																																									
32.0199	Student Internship (Critical Workplace Skills)	.50																																																									
01.0100	Summer Agriculture Program	.25																																																									
	Supervised Agriculture Experience Program (capstone experience)																																																										
<p>Workforce Trends</p> <p>Agriculture is the nation's largest employer, with more than 21 million people working in some phase of the industry, from growing food and fiber to selling it in the supermarkets.</p> <p>Get the Facts</p> <p>Agriculture is a vital industry to Utah's economy. There are 15,000 farms in the state, totaling approximately 11.6 million acres, where Utah agriculturists produce crops and livestock worth nearly \$1 billion annually.</p>		<p>Core Curriculum and elective requirements may vary district to district. Check with your school counselor.</p> <p>Concurrent enrollment course offerings vary by school and district.</p>																																																									
					Many Utah post-secondary programs accept high school courses toward a two- or four-year degree through concurrent enrollment. Check regional post-secondary Pathways for details.																																																						

Sample Occupations

- > Animal Geneticist
- > Animal Nutritionist
- > Animal Scientist
- > Animal Technician
- > Aquaculturalist
- > Feed Sales Rep.
- > Herdsman
- > Livestock Inspector
- > Veterinarian
- > Veterinary Tech.

For more information on salary projections, labor market demand, and training options, visit www.careers.utah.gov

High School to College and Career Pathway: Secondary

Area of Study: Agricultural Education

Pathway: Production/Processing Plant & Soil Science

Middle School		State Requirements			High School Suggested Education Plan				College & Careers
7 th Grade	8 th Grade	Middle School		High School	9 th Grade Suggested	10 th Grade Suggested	11 th Grade Suggested	12 th Grade Suggested	Beyond High School
Language Arts 7 1.00	Language Arts 8 1.00	2.00	Language Arts	3.00	Language Arts 9 1.00	Language Arts 10 1.00	Language Arts 11 1.00	(1 additional credit -- class of 2011)	There are a number of options for education and training beyond high school, depending on your career goals. > Certificate > Associate degree > Bachelor degree > Professional degree > On-the-job training > Apprenticeship > Military training
Pre-Algebra 1.00	Elm. Algebra or Applied Math 1.00	2.00	Math	2.00	Geometry or Applied Math II 1.00	Intermediate Algebra 1.00	(1 additional credit -- class of 2011)		
Science .50	Science 1.00	1.50	Science	2.00	Earth Systems 1.00	Biology–Agricultural Science and Tech. or Biological Science 1.00	(1 additional credit -- class of 2011)		
Utah Studies .50	U.S. History I 1.00	1.50	Social Studies	2.50	World Civilizations .50	Geography for Life .50	U.S. History II 1.00	U.S. Government and Citizenship .50	
P.E. 1.00	Health .50	1.50	P.E./Health	2.00	Participation Skills and Techniques .50	Fitness for Life. 50 / Health Education .50 Lifetime Activities or Sport .50			
The Arts .50	The Arts .50	1.00	Fine Arts	1.50	Fine Arts Courses 1.50				
			Financial Literacy	.50			Financial Literacy .50		
			Computer Tech.	.50	Computer Technology .50				
CTE Intro 1.00		1.00	Career and Technical Education	1.00	Career and Technical Education Recommended Pathway Courses (Students may select individual courses for exploration, or complete pathway for an in-depth focus.) CLASS AVAILABILITY MAY VARY AT YOUR HIGH SCHOOL				2.00 credits + 1.00 credit from introductory or elective courses 3.00 credits for completion
Workforce Trends Agronomy is a specialized field where many agronomists are independent consultants. Get the Facts About 17% of all U.S. agricultural products are exported yearly, including 99 million tons of grains and feed and 2 million tons of fresh vegetables. Core Curriculum and elective requirements may vary district to district. Check with your school counselor. Concurrent enrollment course offerings vary by school and district.		Course #	Introductory Courses: (preferred)	Credit					
		01.0311	Agricultural Science & Technology I	1.00					
		02.0112	Biology: Agricultural Science & Technology	1.00					
		Foundation Courses: (required)							
		02.0411	Plant and Soil Science & Technology, Entry	1.00					
		02.0421	Plant and Soil Science & Technology, Adv.	1.00					
		Elective Courses:							
		01.0111	Agricultural Business Management	1.00					
		32.0199	Student Internship (Critical Workplace Skills)	.50					
		01.0100	Summer Agriculture Program	.25					
		Supervised Agriculture Experience Program (capstone experience)							
Many Utah post-secondary programs accept high school courses toward a two- or four-year degree through concurrent enrollment. Check regional post-secondary Pathways for details.									

Sample Occupations > Agronomist > Agronomy Department Manager > Agronomy Production Specialist > Agronomy Tech. Specialist > Plant Pathologist > Seed Sales Manager	For more information on salary projections, labor market demand, and training options, visit www.careers.utah.gov
--	---

Beyond High School

There are a number of options for education and training beyond high school, depending on your career goals.

- > Certificate
- > Associate degree
- > Bachelor degree
- > Professional degree
- > On-the-job training
- > Apprenticeship
- > Military training

Sample Occupations

- > Agronomist
- > Agronomy Department Manager
- > Agronomy Production Specialist
- > Agronomy Tech. Specialist
- > Plant Pathologist
- > Seed Sales Manager

For more information on salary projections, labor market demand, and training options, visit www.careers.utah.gov

Note: For more information talk to your school counselor.

